

I support the ARRL comment submitted regarding Docket ET 30-104. If Broadband over Power Line (BPL) is implemented, it will render useless the spectrum currently occupied by duly licensed services that depend on weak signal communication. This is in direct conflict of the FCC mandate to regulate the natural resource of our electromagnetic spectrum.

Implementation of BPL is in direct conflict with the public interest and works against our national defense interests. The recent power outage in the northeastern U.S. shows that if BPL is implemented, there can be no other users in this spectrum to provide emergency communication to effected areas. VHF/UHF repeaters and the cellular telephone system would be off-line as they were in New York, Cleveland, Detroit, and Toledo.

Further, BPL (in current form) implementation can negatively impact such critical services as:

1. Medical equipment used in hospitals and by emergency responders.
2. Communications by the Red Cross and other emergency services.
3. Government and military communications in the HF and VHF bands.
4. Homeland security communications in the HF and VHF bands.
5. Flood control systems for lakes rivers and dams.
6. Communication for business management and materials supply control.
7. Environmental control systems.
8. Freight and shipping control systems.
9. Traffic management and control systems.
10. Community water supply management and control systems.

Note: Though the primary frequency of some systems (above) may not be in the BPL band, they can be affected by harmful mixing products and harmonics that are likely to occur. Exhaustive analysis must be done to ensure that no critical communication system will be compromised by BPL implementation.

Finally, it appears that Broadband over Power Lines would serve to benefit only the bottom line of power service providers.

Sincerely,
Seabury Lyon
Bethel, Maine